

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application
based on International Application No. PCT/EP00/09423
Filed September 27, 2000
Inventor(s) ANKENBAUER *et al.*

For: THERMOSTABLE ENZYME PROMOTING THE FIDELITY OF
THERMOSTABLE DNA POLYMERASES -- FOR IMPROVEMENT OF
NUCLEIC ACID SYNTHESIS AND AMPLIFICATION *IN VITRO*

Attorney Docket No.: 5304

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231

Alameda, CA 94501
May 25, 2001

Sir:

Prior to examining the above-referenced application as entering the National
Stage under 35 U.S.C. §371, please consider the following amendments and remarks.

IN THE CLAIMS:

At pages 28 and 29 of the International Application, please replace all claims with
the following clean version of amended Claims 1-17:

WHAT IS CLAIMED IS:

- A1
1. (Amended) A thermostable enzyme comprising 3'-exonuclease-activity but
essentially no DNA polymerase activity, said enzyme enhancing fidelity of an
amplification process when added to a second enzyme exhibiting polymerase activity.